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NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

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0.42

0.42

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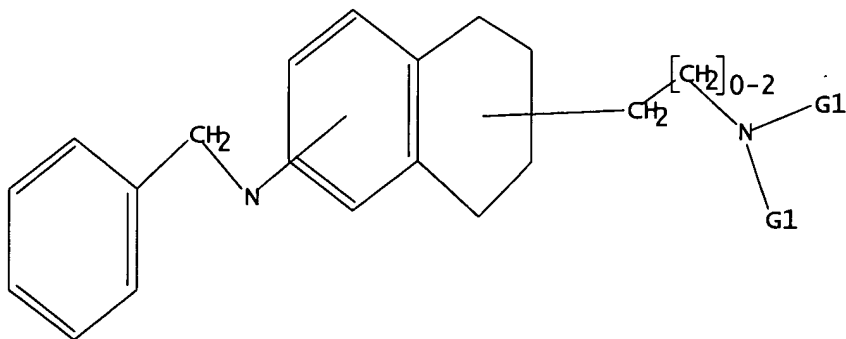
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=>
Uploading C:\Program Files\Stnexp\Queries\10645934b.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 Me,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,H
G2 C,H

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 19:39:58 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 21803 TO ITERATE

9.2% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 427223 TO 444897
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search l1
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 19:40:05 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 437985 TO ITERATE

100.0% PROCESSED 437985 ITERATIONS 8 ANSWERS
SEARCH TIME: 00.00.05

L3 8 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 167.38 167.80

FILE 'CAPLUS' ENTERED AT 19:40:22 ON 17 AUG 2006
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FILE COVERS 1907 - 17 Aug 2006 VOL 145 ISS 8
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=> s l3
L4 3 L3

=> d l4 fbib ab hitstr 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1998:608594 CAPLUS
DN 129:216428
TI Preparation of 2-aminoalkylteralines as amyloid- β production inhibitors
IN Kato, Kaneyoshi; Terauchi, Jun; Fukumoto, Hiroaki; Kakihana, Mitsuru

PA Takeda Chemical Industries, Ltd., Japan
 SO PCT Int. Appl., 238 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

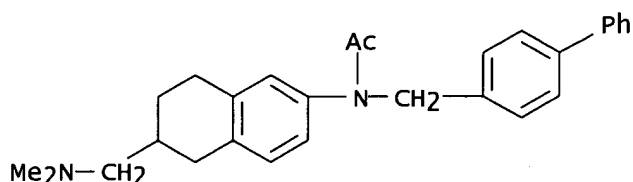
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9838156	A1	19980903	WO 1998-JP780	19980226
	W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GW, HU, ID, IL, IS, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
				JP 1997-43940	A 19970227
				JP 1997-193497	A 19970718
	CA 2276278	AA	19980903	CA 1998-2276278	19980226
				JP 1997-43940	A 19970227
				JP 1997-193497	A 19970718
	AU 9861166	A1	19980918	WO 1998-JP780	W 19980226
				AU 1998-61166	19980226
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	JP 11080098	A2	19990323	JP 1998-44769	19980226
				JP 1997-43940	A 19970227
				JP 1997-193497	A 19970718
	EP 971878	A1	20000119	EP 1998-905656	19980226
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
				JP 1997-43940	A 19970227
				JP 1997-193497	A 19970718
				WO 1998-JP780	W 19980226
	JP 2003113147	A2	20030418	JP 2002-264457	19980226
				JP 1997-43940	A 19970227
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				JP 1998-44769	A3 19980226
	US 6310107	B1	20011030	US 1999-331460	19990621
				JP 1997-43940	A 19970227
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				WO 1998-JP780	W 19980226
	US 2002032189	A1	20020314	US 2001-931140	20010816
	US 6613805	B2	20030902		
				JP 1997-43940	A 19970227
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				US 1999-331460	A3 19990621
	US 2004077867	A1	20040422	US 2003-645934	20030821
				JP 1997-43940	A 19970227
				JP 1997-193497	A 19970718
				WO 1998-JP780	A 19980226
				US 2001-931140	A3 20010816

OS MARPAT 129:216428

AB The title compds. [I; Ar = (un)substituted aromatic ring, fused aromatic group; X = a bond, S, SO, SO₂, etc.; Y = (un)substituted divalent C1-6 aliphatic hydrocarbon group optionally containing O or S; R₁, R₂ = H, lower alkyl; NR₁R₂ = (un)substituted N-containing heterocyclic ring; Ring A = (un)substituted benzene; Ring B = (un)substituted 4-8 membered ring] and their salts, which have the effect of inhibiting amyloid- β protein production and/or secretion and are useful for preventing and/or treating the

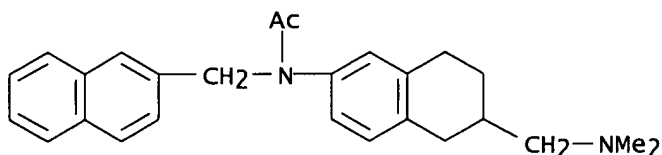
neurodegenerative disease such as Alzheimer's disease, were prepared and formulated. Thus, treatment of [6-(4-biphenyl)methoxy-2-tetralin]-N,N-dimethylacetamide with LiAlH₄ in THF afforded II.HCl which showed 74% and 75% inhibition of the production and/or secretion of Aβ₁₋₄₀ and Aβ₁₋₄₂, resp.

IT 212571-15-8P 212571-16-9P 212571-22-7P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of 2-aminoalkyltetralines as amyloid-β production inhibitors)
 RN 212571-15-8 CAPLUS
 CN Acetamide, N-([1,1'-biphenyl]-4-ylmethyl)-N-[6-[(dimethylamino)methyl]-5,6,7,8-tetrahydro-2-naphthalenyl]-, monohydrochloride (9CI) (CA INDEX NAME)



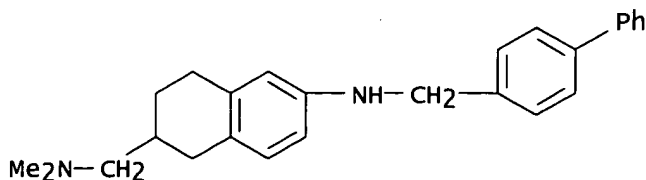
● HCl

RN 212571-16-9 CAPLUS
 CN Acetamide, N-[6-[(dimethylamino)methyl]-5,6,7,8-tetrahydro-2-naphthalenyl]-N-(2-naphthalenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

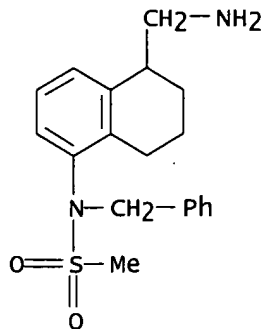
RN 212571-22-7 CAPLUS
 CN 2-Naphthalenemethanamine, 6-[[[1,1'-biphenyl]-4-ylmethyl]amino]-1,2,3,4-tetrahydro-N,N-dimethyl- (9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1997:215572 CAPLUS
 DN 126:207132
 TI Structure-Activity Studies for a Novel Series of Dual 5-HT Uptake Inhibitors/ α 2-Antagonists
 AU Meyer, Michael D.; Hancock, Arthur A.; Tietje, Karin; Sippy, Kevin B.; Prasad, Rajnandan; Stout, David M.; Arendsen, David L.; Donner, B. Greg; Carroll, William A.
 CS Neuroscience Research Department 47C, Pharmaceutical Products Division, Abbott Park, IL, 60064, USA
 SO Journal of Medicinal Chemistry (1997), 40(7), 1049-1062
 CODEN: JMCMAR; ISSN: 0022-2623
 PB American Chemical Society
 DT Journal
 LA English
 AB In search of an α 2-antagonist/5-HT uptake inhibitor as a potential new class of antidepressant with a more rapid onset of action, compound I was prepared and observed to possess high affinity for the α 2-receptor (K_i = 6.71 nM) and the 5-HT uptake site (20.6 nM). A series of tertiary amine analogs of I were synthesized and assayed for their affinity at both the α 2-receptor and the 5-HT uptake site. The structure-activity relationship reveals that a variety of structural modifications to the arylethyl fragment are possible with retention of this dual activity. On the tetralin portion, 5-OMe substitution and the (R) stereochem. at C-1 are optimal with alternate substitutions producing compds. retaining high affinity for the α 2-receptor but lacking affinity for the 5-HT uptake site. Data for several rigidified 5-O-alkyl analogs suggests that the favored orientation of the oxygen lone pairs may be away from the 6-position of the tetralin.
 IT 188111-29-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation and structure-activity of dual 5-HT uptake inhibitors/ α 2-antagonists)
 RN 188111-29-7 CAPLUS
 CN Methanesulfonamide, N-[5-(aminomethyl)-5,6,7,8-tetrahydro-1-naphthalenyl]-N-(phenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:478078 CAPLUS

DN 122:239346

TI Preparation of 4a-(aminoethyl)octahydrophenanthren-8a-ols as NMDA antagonists.

IN Godel, Thierry; Gutknecht, Eva-Maria

PA F. Hoffmann-la Roche AG, Switz.

SO Eur. Pat. Appl., 40 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 606661	A1	19940720	EP 1993-121161	19931231
	EP 606661	B1	19970312		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	CA 2111138	AA	19940716	CH 1993-123	A 19930115
				CA 1993-2111138	19931210
	AT 150001	E	19970315	CH 1993-123	A 19930115
				AT 1993-121161	19931231
	ES 2099362	T3	19970516	CH 1993-123	A 19930115
				ES 1993-121161	19931231
	ZA 9400103	A	19940819	CH 1993-123	A 19930115
				ZA 1994-103	19940107
	AU 9453114	A1	19940721	CH 1993-123	A 19930115
	AU 668442	B2	19960502	AU 1994-53114	19940110
	HU 69688	A2	19950928	CH 1993-123	A 19930115
				HU 1994-56	19940110
	JP 06234711	A2	19940823	CH 1993-123	A 19930115
	JP 2505978	B2	19960612	JP 1994-1244	19940111
	FI 9400147	A	19940716	CH 1993-123	A 19930115
				FI 1994-147	19940112
	BR 9400082	A	19940802	CH 1993-123	A 19930115
				BR 1994-82	19940112
	CN 1097727	A	19950125	CH 1993-123	A 19930115
				CN 1994-100624	19940113
	NO 9400143	A	19940718	CH 1993-123	A 19930115
	NO 180630	B	19970210	NO 1994-143	19940114
	NO 180630	C	19970521		
	US 5385947	A	19950131	CH 1993-123	A 19930115
				US 1994-252131	19940531
				CH 1993-123	A 19930115
				US 1994-179215	B1 19940110

OS MARPAT 122:239346

AB Title compds. [I; R1,R2 = H, (cycloalkyl)alkyl, aralkyl; R3 = H, alkanoyl; R4 = R5 = H or halo; 1 of R4,R5 = H and the other = halo, OH, alkoxy, aryloxy, NH2] were prepared. Thus, 7-benzyloxy-1,2,3,4-tetrahydronaphthalen-1-one was α -gem-dialkylated with Br(CH₂)₄Br and the methylenated product cyclocondensed with ClSO₂NCO to give butanonaphthofuranylidene sulfamoyl chloride II which was treated with LAH and the deprotected product acidified to give racemic I.HCl (R1 = R2 = R5 = H, R4 = 3-OH). The latter had IC₅₀ of 73.4nM against dizocilpine binding at rat cortex.

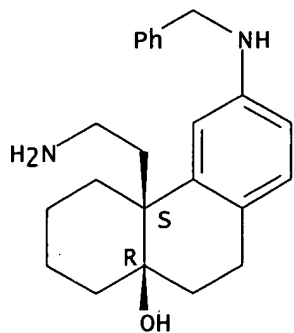
IT 162180-75-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, in preparation of NMDA antagonist)

RN 162180-75-8 CAPLUS
CN 8a(4bH)-Phenanthreno], 4b-(2-aminoethyl)-5,6,7,8,9,10-hexahydro-3-
[(phenylmethyl)amino]-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



=>

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NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 14 JUL 14 FSTA enhanced with Japanese patents
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive

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COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

0.84

0.84

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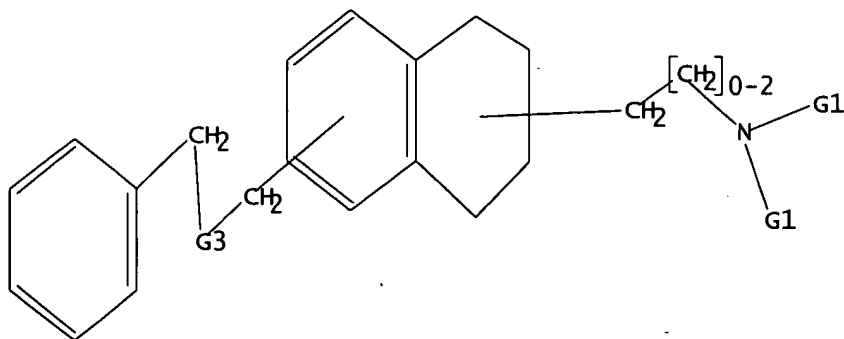
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=>
 Uploading C:\Program Files\Stnexp\Queries\10645934c.str

L1 STRUCTURE UPLOADED

=> d l1
 L1 HAS NO ANSWERS
 L1 STR



G1 Me, Et, n-Pr, i-Pr, n-Bu, i-Bu, s-Bu, t-Bu, H

G2 C, H

G3 O, N

Structure attributes must be viewed using STN Express query preparation.

=> s l1
 SAMPLE SEARCH INITIATED 20:59:29 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 29926 TO ITERATE

6.7% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 588176 TO 608864
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search l1
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 20:59:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 601416 TO ITERATE

100.0% PROCESSED 601416 ITERATIONS 42 ANSWERS
SEARCH TIME: 00.00.05

L3 42 SEA SSS FUL L1

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	166.94	167.78

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=> s l3
L4 6 L3

=> d l4 fbib ab hitstr 1-6

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:256731 CAPLUS
DN 144:467886
TI Synthesis of helicenediamine oligomers and their formation of multilayer

structures in aqueous solvents

AU Mizukami, Jun; Sugiura, Hiroki; Yamaguchi, Masahiko; Mushiake, Kumiko

CS Department of Organic Chemistry, Graduate School of Pharmaceutical Sciences, Tohoku University, 6-3 Aoba, Aramaki, Aoba-ku, Sendai, 980-8578, Japan

SO Bulletin of the Chemical Society of Japan (2006), 79(2), 317-332
CODEN: BCSJA8; ISSN: 0009-2673

PB Chemical Society of Japan

DT Journal

LA English

OS CASREACT 144:467886

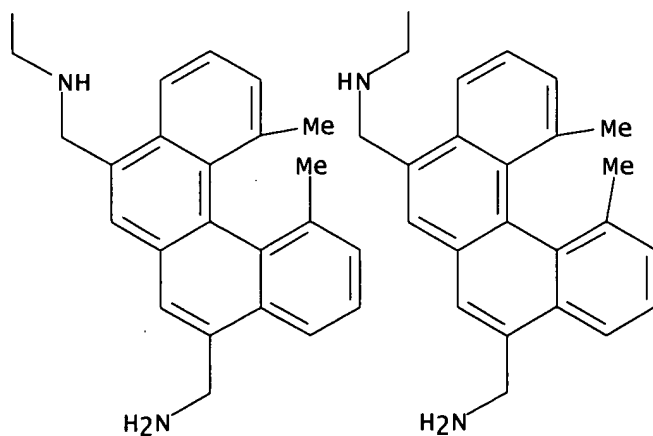
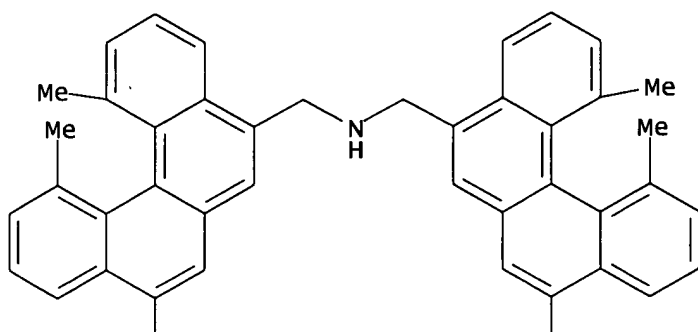
AB Optically active polyamine oligomers containing three to six (P)-5,8-bis(aminomethyl)-1,12-dimethylbenzo[c]phenanthrenes were synthesized employing the two-directional chain extension method. It was critical for the effective coupling of amines and aldehydes to precipitate imine intermediates using the appropriate solvents. UV, CD, fluorescent, and NMR spectroscopic studies revealed that the above-mentioned oligomers form multilayer structures in aqueous solvents, while they form random coil structures in methanol. Such layer structures contained helicene dyads with an anti-conformation in which the BC-rings of helicenes were stacked on each other, and 1,12-dimethyl groups were arranged in the opposite direction. A diastereomeric trimer was also synthesized, the layer structure of which was different from that of the parent trimer. The stereochem. of the helicene moiety influenced the layer structure.

IT 886572-51-6P 886572-53-8P 886572-57-2P
886572-61-8P 886572-62-9P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(synthesis of helicenediamine oligomers and their formation of multilayer structures in aqueous solvents)

RN 886572-51-6 CAPLUS

CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-N'-[[8-[[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, pentahydrochloride, stereoisomer (9CI) (CA INDEX NAME)

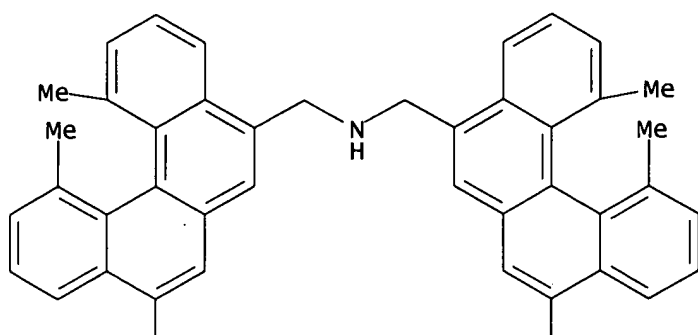


● 5 HCl

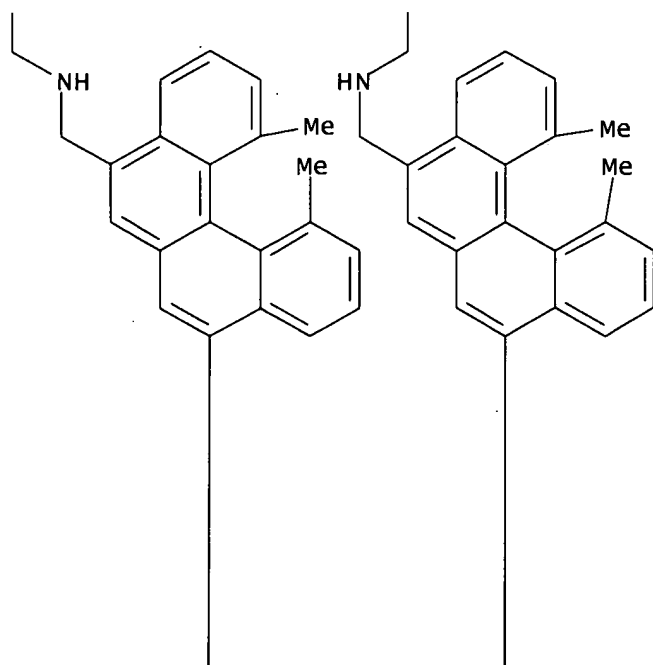
RN 886572-53-8 CAPLUS
 CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[[8-[[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-N'-[[[8-[[[8-[[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-,

heptahydrochloride, stereoisomer (9CI) (CA INDEX NAME)

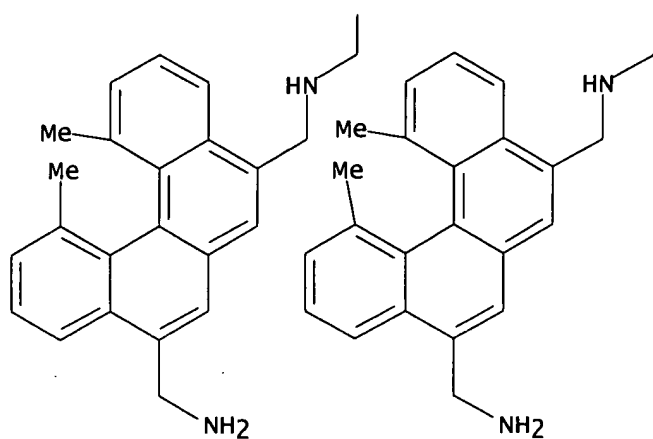
PAGE 1-A



PAGE 2-A



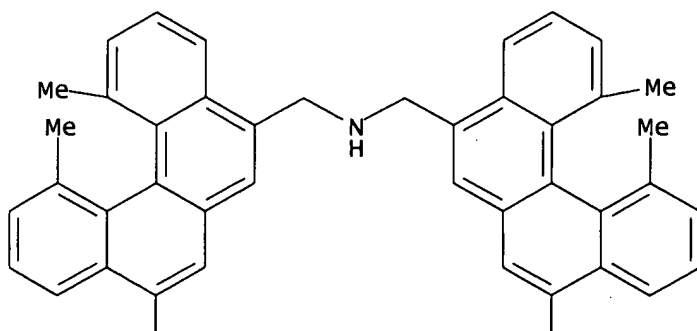
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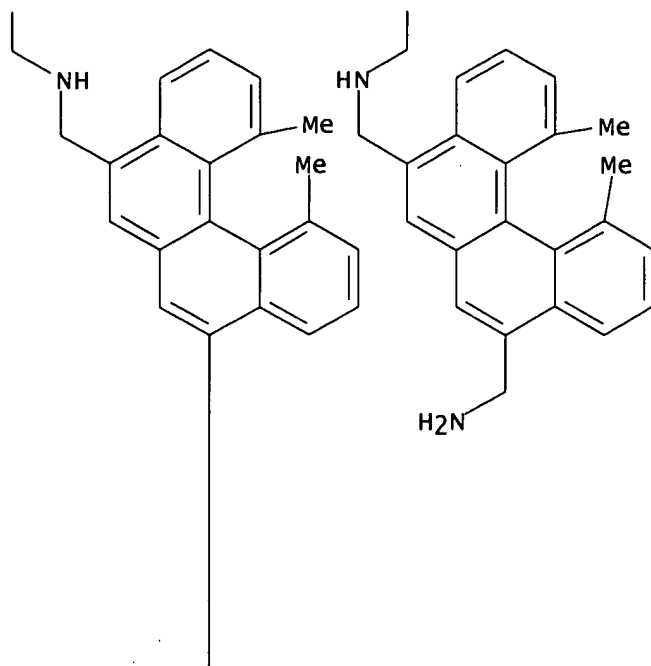
● 7 HCl

RN 886572-57-2 CAPLUS
 CN Benzo[c]phenanthrene-5,8-dimethanamine, N,N'-bis[[8-[[[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, hexahydrochloride, stereoisomer (9CI) (CA INDEX NAME)

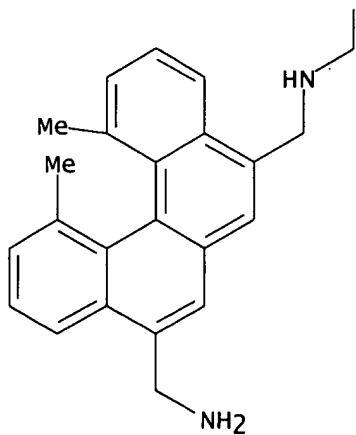
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PAGE 2-A



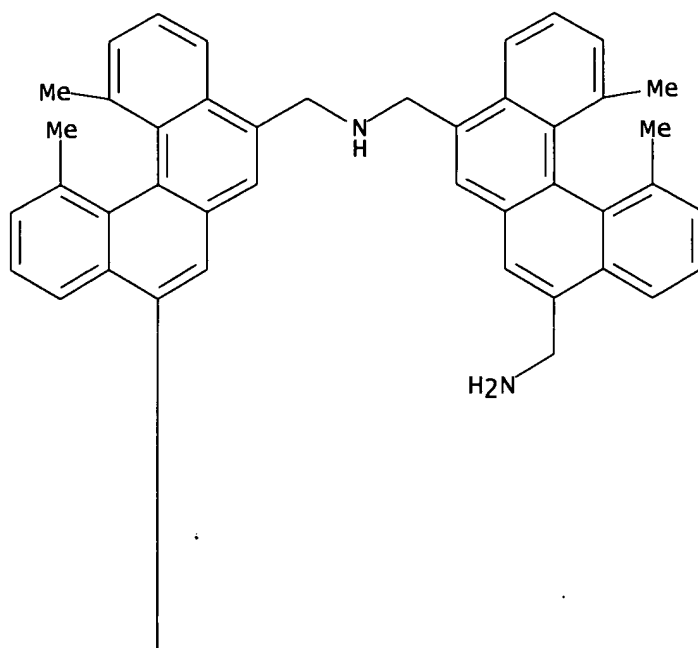
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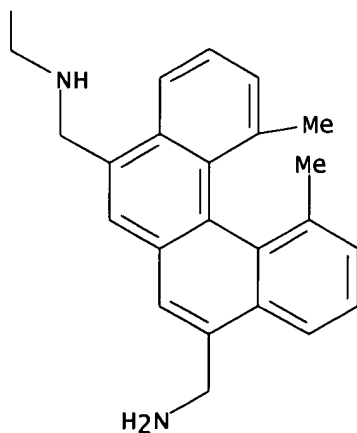
● 6 HCl

RN 886572-61-8 CAPLUS
 CN Benzo[c]phenanthrene-5,8-dimethanamine, N,N'-bis[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, tetrahydrochloride, stereoisomer (9CI) (CA INDEX NAME)

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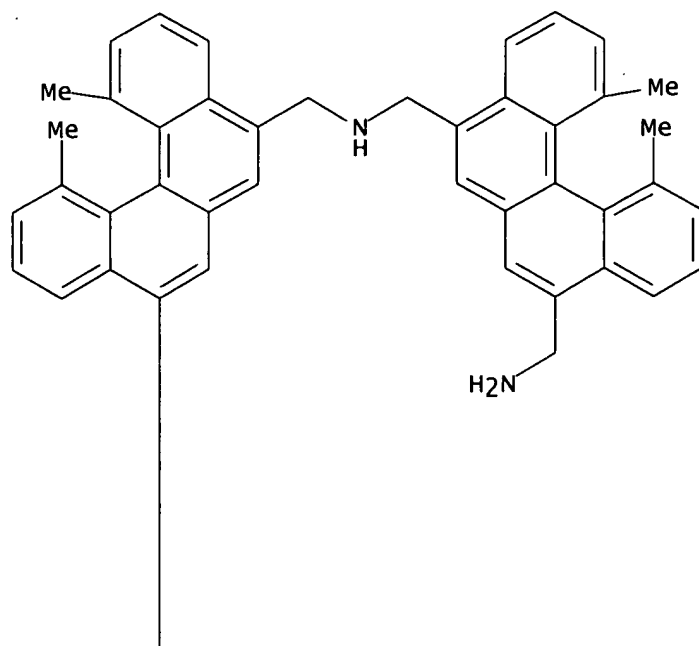
PAGE 2-A



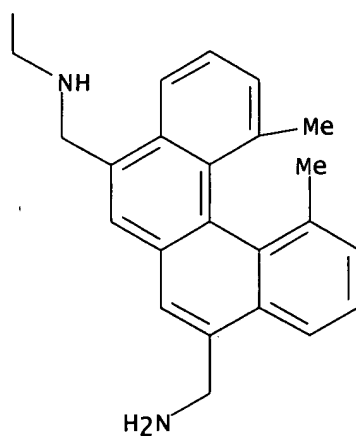
● 4 HCl

RN 886572-62-9 CAPLUS
 CN Benzo[c]phenanthrene-5,8-dimethanamine, N,N'-bis[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, tetrahydrochloride, stereoisomer (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

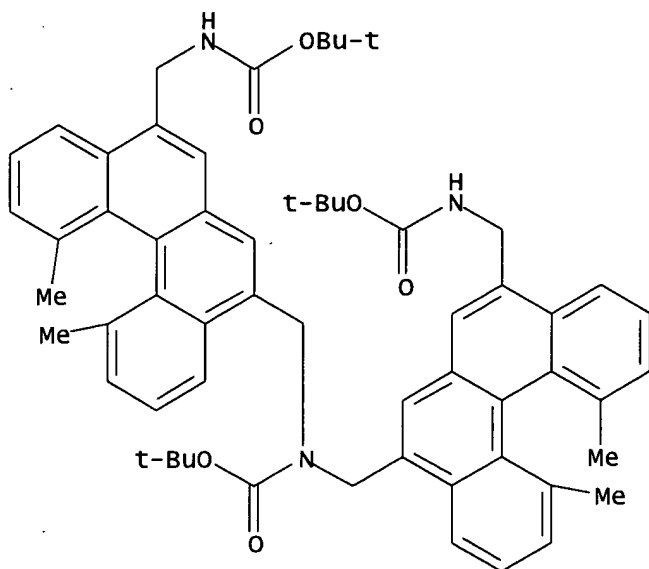


● 4 HCl

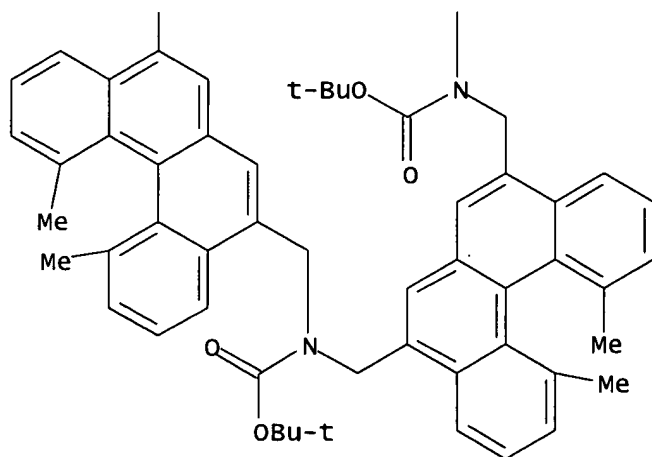
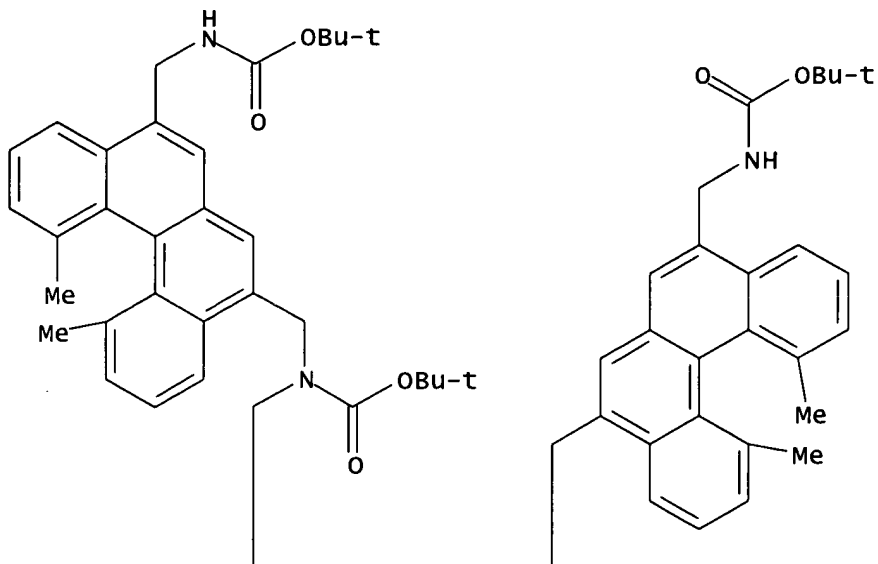
IT 473277-03-1P 886572-52-7P 886572-54-9P
 886572-56-1P 886572-58-3P 886572-59-4P
 886572-60-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (synthesis of helicenediamine oligomers and their formation of

multilayer structures in aqueous solvents)

RN 473277-03-1 CAPLUS
 CN Carbamic acid, bis[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)

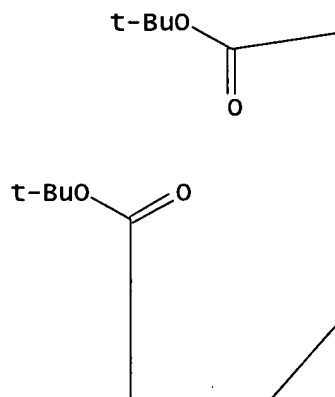
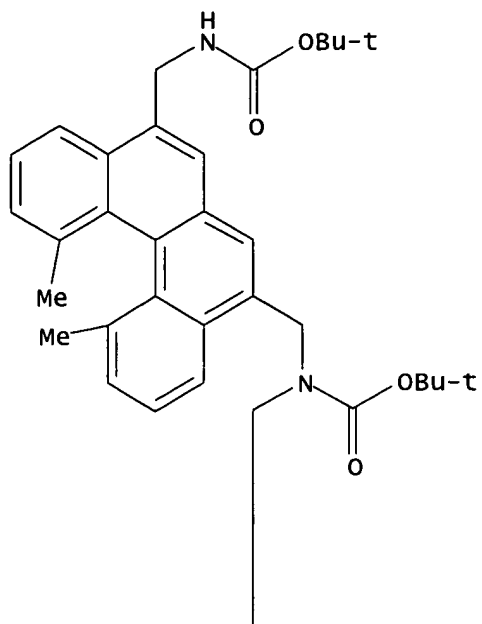


RN 886572-52-7 CAPLUS
 CN Carbamic acid, bis[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)

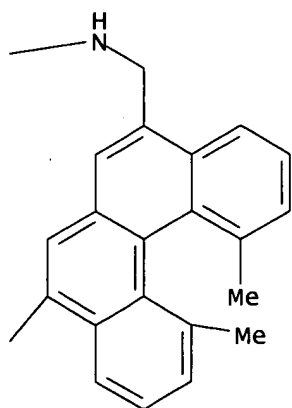


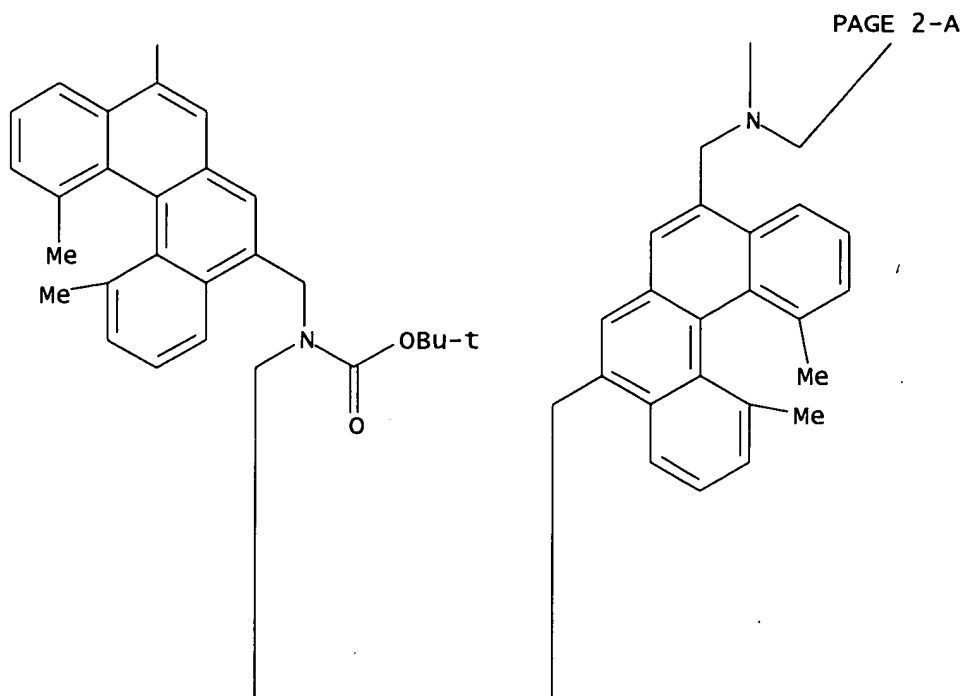
RN 886572-54-9 CAPLUS
 CN Carbamic acid, bis[[8-[[[(1,1-dimethylethoxy)carbonyl]]-[8-[[[(1,1-dimethylethoxy)carbonyl]]-[8-[[[(1,1-dimethylethoxy)carbonyl]]amino]methyl]]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)

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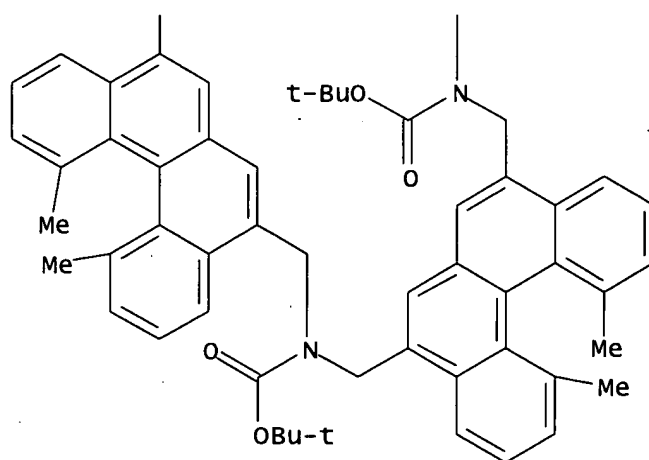
PAGE 1-B





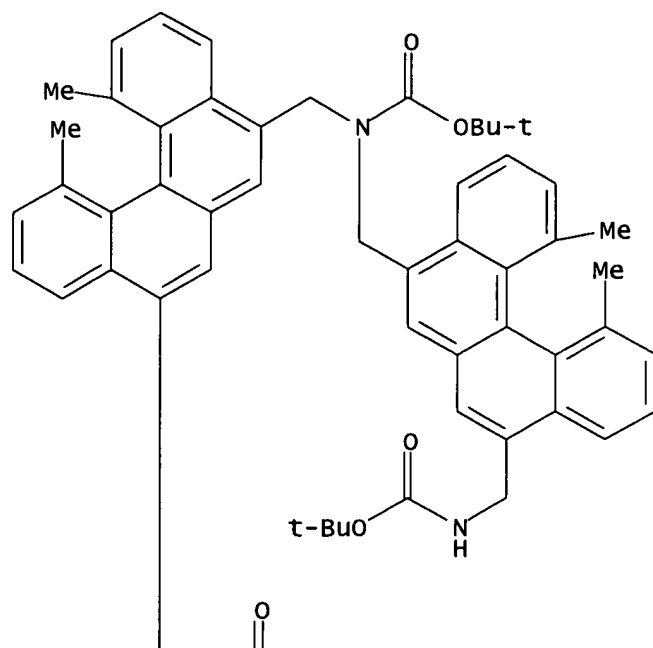
PAGE 2-B

PAGE 3-A

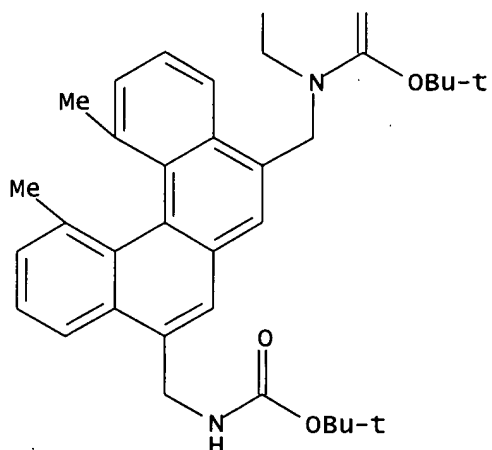


RN 886572-56-1 CAPLUS
 CN Carbamic acid, [(1,12-dimethylbenzo[c]phenanthrene-5,8-diyl)bis(methylene)]bis[[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, bis(1,1-dimethylethyl) ester, stereoisomer (9CI) (CA INDEX NAME)

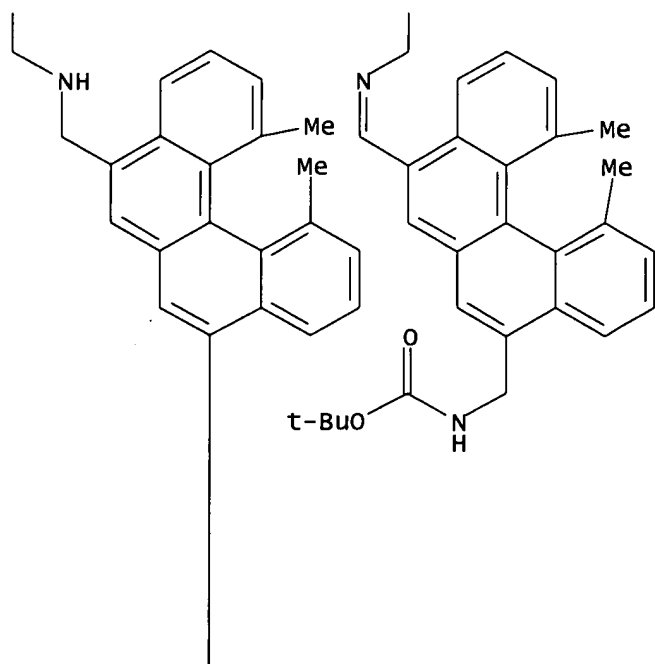
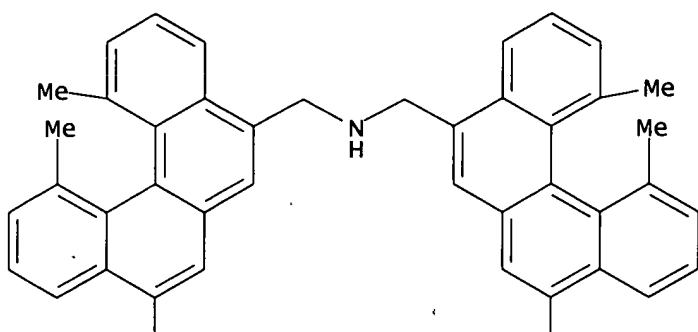
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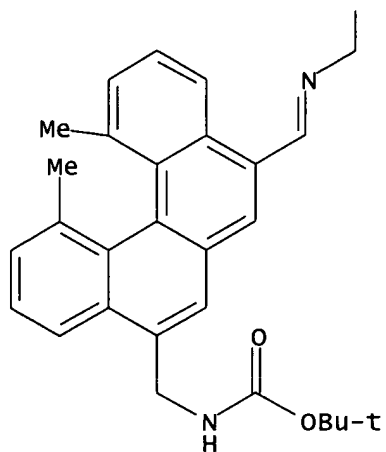


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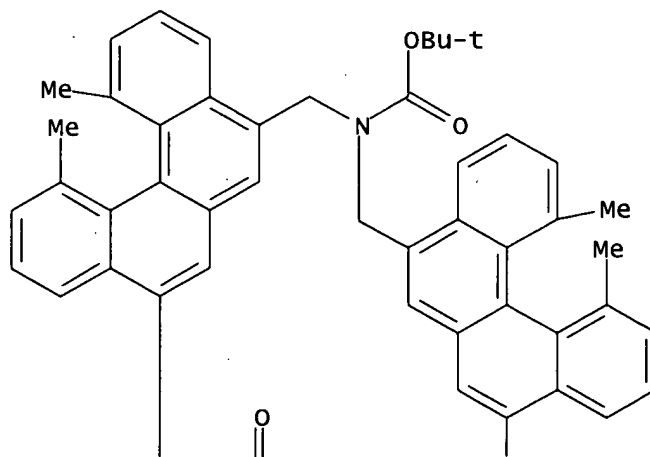


RN 886572-58-3 CAPLUS
 CN Carbamic acid, [(1,12-dimethylbenzo[c]phenanthrene-5,8-diyl)bis[methyleneiminomethylene(1,12-dimethylbenzo[c]phenanthrene-8,5-diyl)methylenenitrilomethylidene(1,12-dimethylbenzo[c]phenanthrene-8,5-diyl)]bis(methylene)]bis-, bis(1,1-dimethylethyl) ester, stereoisomer (9CI) (CA INDEX NAME)

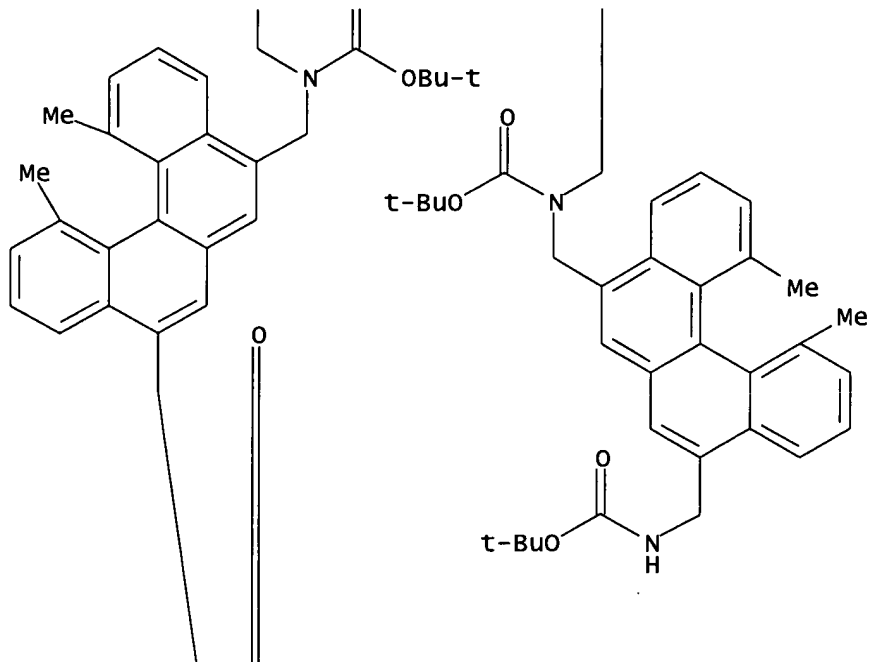




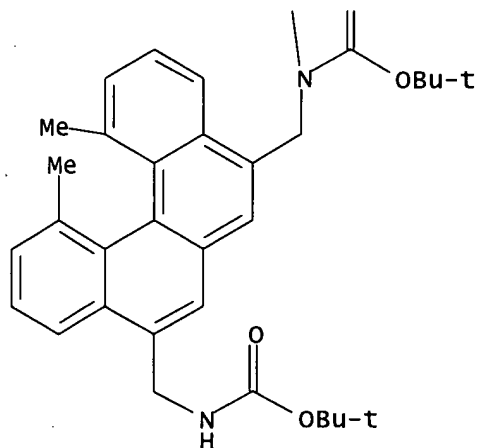
RN 886572-59-4 CAPLUS
 CN Carbamic acid, [(1,12-dimethylbenzo[c]phenanthrene-5,8-diyl)bis(methylene)]bis[[8-[[[(1,1-dimethylethoxy)carbonyl][[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, bis(1,1-dimethylethyl) ester, stereoisomer (9CI) (CA INDEX NAME)



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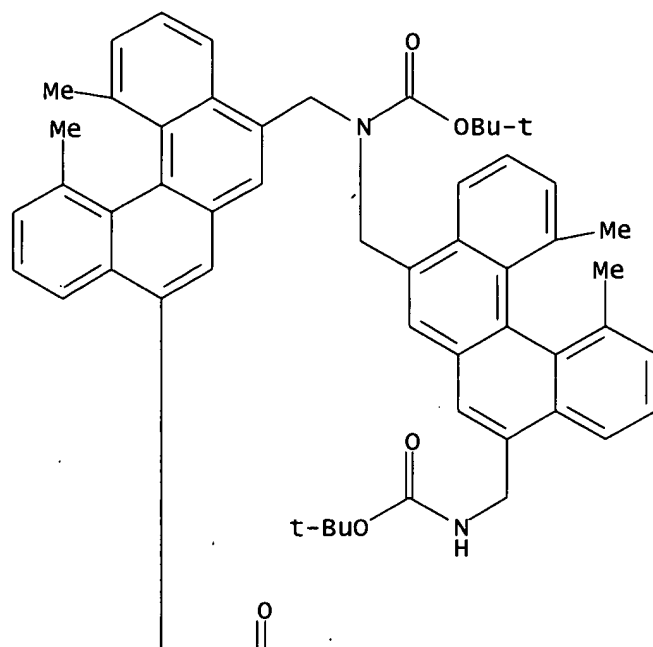


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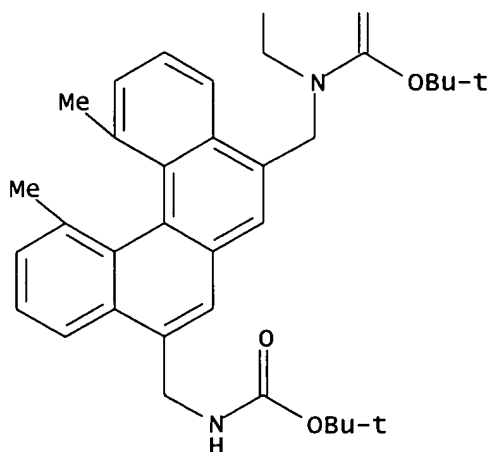


RN 886572-60-7 CAPLUS
 CN Carbamic acid, [(1,12-dimethylbenzo[c]phenanthrene-5,8-diyl)bis(methylene)]bis[[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, bis(1,1-dimethylethyl) ester, stereoisomer (9CI) (CA INDEX NAME)

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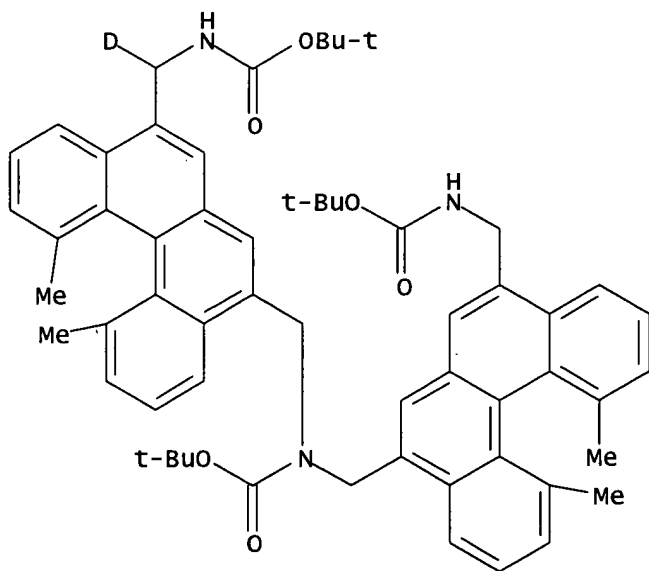
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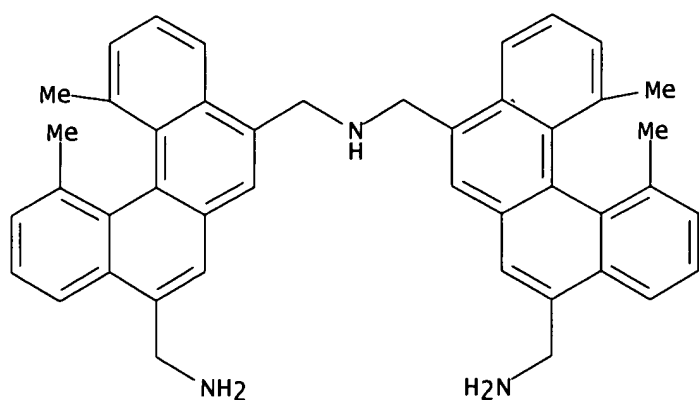
RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:502356 CAPLUS
DN 137:310497
TI Folding of dihelicenetriamines in water
AU Honzawa, Shinobu; Okubo, Hitoshi; Nakamura, Keiichi; Anzai, Shuzo;
Yamaguchi, Masahiko; Kabuto, Chizuko
CS Graduate School of Pharmaceutical Sciences, Department of organic

Chemistry, Tohoku University, Aoba, Sendai, 980-8578, Japan
 SO Tetrahedron: Asymmetry (2002), 13(10), 1043-1052
 CODEN: TASYE3; ISSN: 0957-4166
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 OS CASREACT 137:310497
 AB Diastereomeric triamines containing two helicene moieties,
 1,12-dimethylbenzo[c]phenanthrene, were synthesized and found to form
 folded structures in water. Such folding was not observed for an achiral
 compound possessing a naphthalene moiety. The (M,M)-dihelicenetriamine with
 matching configuration at the helicene moieties formed a more stable
 folded structure than the (P,M)-isomer containing two enantiomeric helicene
 groups. The most stable folded conformation was predicted by the Monte
 Carlo method with Amber force field of the dihelicenetriamine.
 IT 473277-07-5P 473277-12-2P 473277-17-7P
 473277-21-3P 473277-24-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (chiral recognition in folding of dihelicenetriamines in water)
 RN 473277-07-5 CAPLUS
 CN Carbamic acid, [[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-
 dimethylbenzo[c]phenanthren-5-yl]methyl][[8-[[[(1,1-
 dimethylethoxy)carbonyl]amino]methyl-d]-1,12-dimethylbenzo[c]phenanthren-5-
 yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)



RN 473277-12-2 CAPLUS
 CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-
 dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, trihydrochloride,
 stereoisomer (9CI) (CA INDEX NAME)

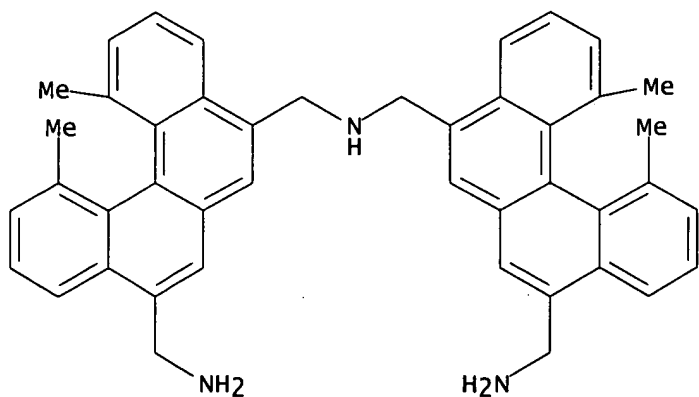


● 3 HCl

RN 473277-17-7 CAPLUS
 CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, stereoisomer, triperchlorate (9CI) (CA INDEX NAME)

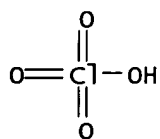
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CRN 473277-16-6
 CMF C44 H41 N3



CM 2

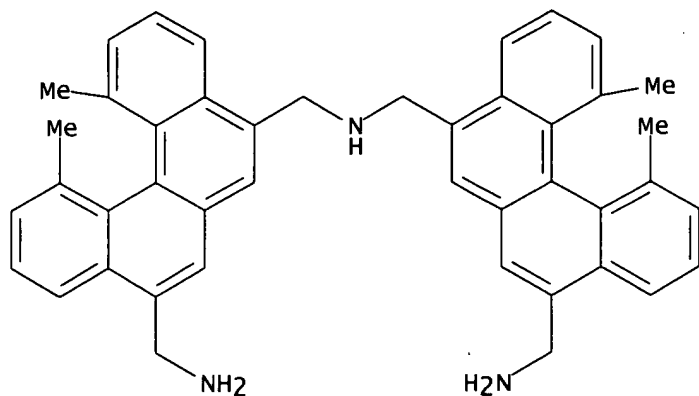
CRN 7601-90-3
 CMF Cl H O4



RN 473277-21-3 CAPLUS
 CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, stereoisomer, triperchlorate (9CI) (CA INDEX NAME).

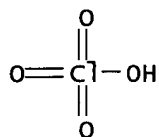
CM 1

CRN 473277-20-2
 CMF C44 H41 N3



CM 2

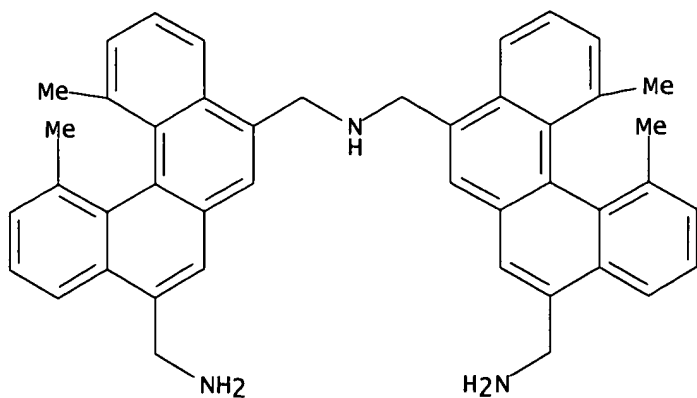
CRN 7601-90-3
 CMF Cl H O4



RN 473277-24-6 CAPLUS
 CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, stereoisomer, triperchlorate (9CI) (CA INDEX NAME)

CM 1

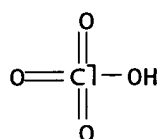
CRN 473277-23-5
 CMF C44 H41 N3



CM 2

CRN 7601-90-3

CMF C1 H 04



IT 473220-11-0P 473277-01-9P 473277-03-1P

473277-05-3P

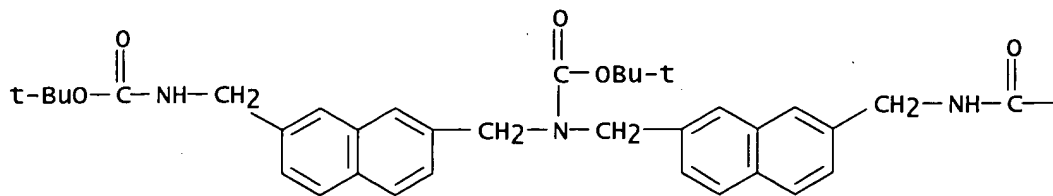
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(deprotection; chiral recognition in folding of dihelicenetriamines in water)

RN 473220-11-0 CAPLUS

CN Carbamic acid, bis[[7-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-2-naphthalenyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

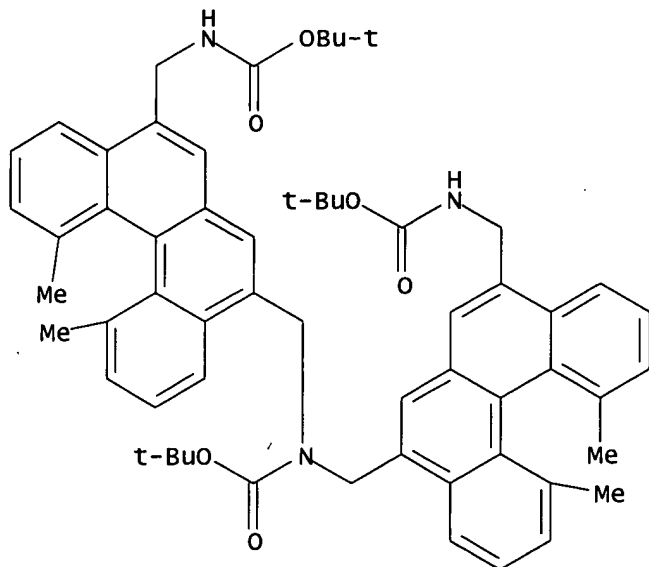
PAGE 1-A



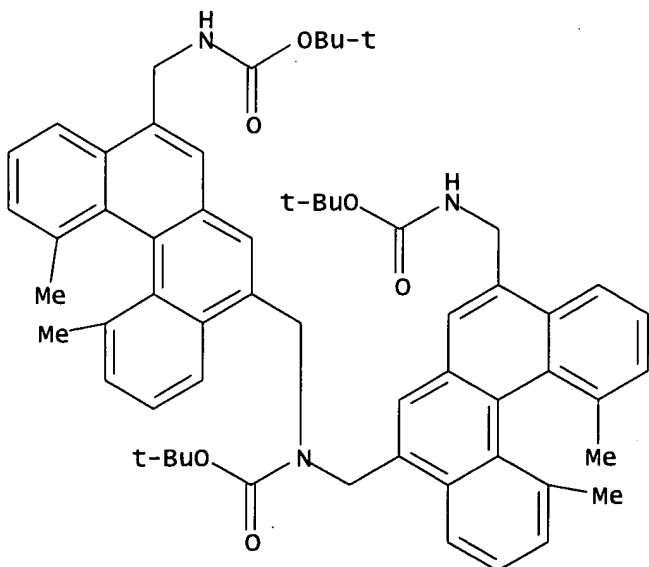
PAGE 1-B

—OBu-t

RN 473277-01-9 CAPLUS
 CN Carbamic acid, bis[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)

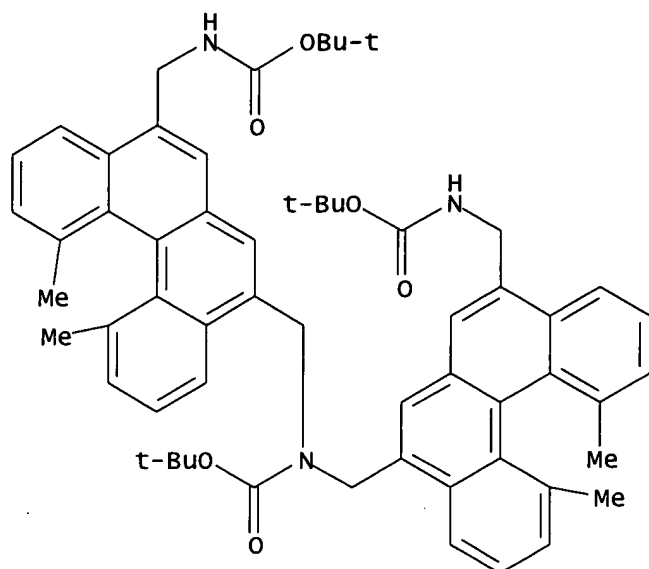


RN 473277-03-1 CAPLUS
 CN Carbamic acid, bis[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)



RN 473277-05-3 CAPLUS
 CN Carbamic acid, bis[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)

stereoisomer (9CI) (CA INDEX NAME)

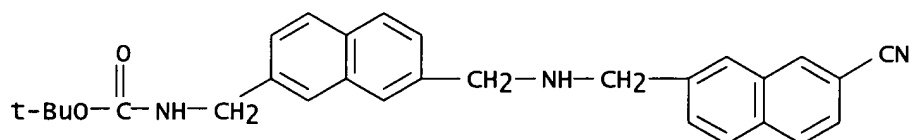


IT 473220-10-9P 473276-93-6P 473276-96-9P
473276-98-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(reduction/protection; chiral recognition in folding of dihelicenetriamines
in water)

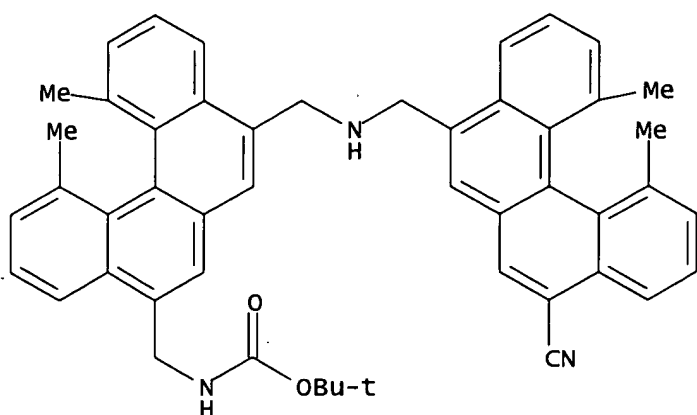
RN 473220-10-9 CAPLUS

CN Carbamic acid, [[7-[[[(7-cyano-2-naphthalenyl)methyl]amino]methyl]-2-
naphthalenyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

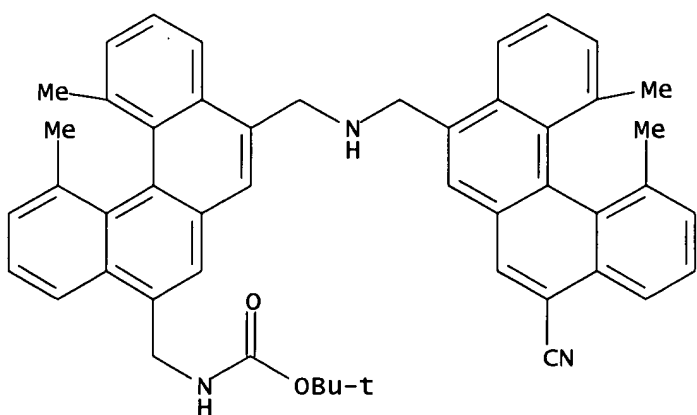


RN 473276-93-6 CAPLUS

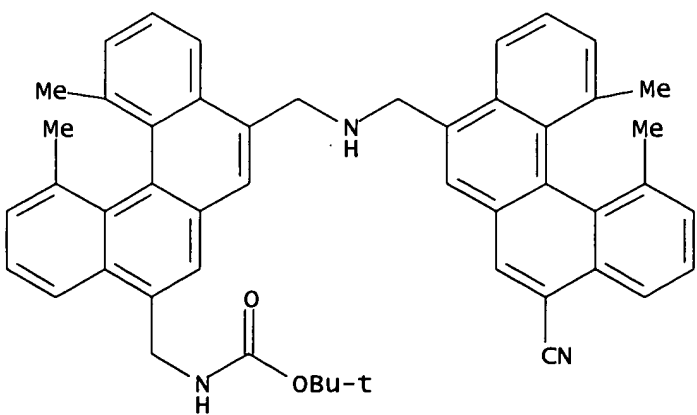
CN Carbamic acid, [[8-[[[(8-cyano-1,12-dimethylbenzo[c]phenanthren-5-
yl)methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-,
1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)



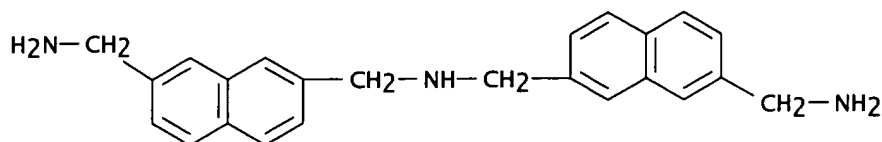
RN 473276-96-9 CAPLUS
 CN Carbamic acid, [[8-[[[(8-cyano-1,12-dimethylbenzo[c]phenanthren-5-yl)methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)



RN 473276-98-1 CAPLUS
 CN Carbamic acid, [[8-[[[(8-cyano-1,12-dimethylbenzo[c]phenanthren-5-yl)methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)

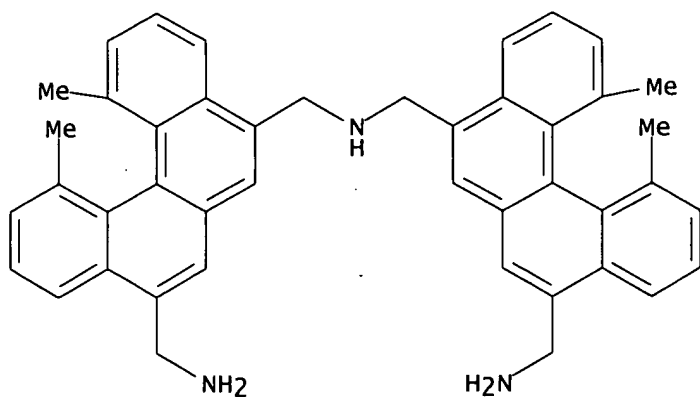


IT 473220-12-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (reference; chiral recognition in folding of dihelicenetriamines in water)
 RN 473220-12-1 CAPLUS
 CN 2,7-Naphthalenedimethanamine, N-[[7-(aminomethyl)-2-naphthalenyl]methyl]-, trihydrochloride (9CI) (CA INDEX NAME)



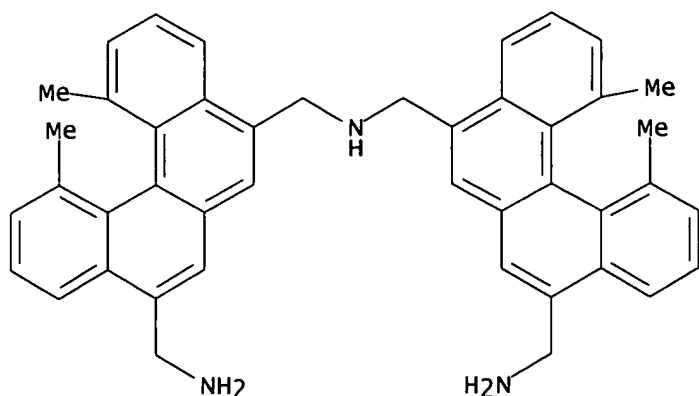
● 3 HCl

IT 473277-09-7P 473277-14-4P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (target helicenetriamine; chiral recognition in folding of
 dihelicenetriamines in water)
 RN 473277-09-7 CAPLUS
 CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, trihydrochloride, stereoisomer (9CI) (CA INDEX NAME)



● 3 HCl

RN 473277-14-4 CAPLUS
 CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, trihydrochloride, stereoisomer (9CI) (CA INDEX NAME)



● 3 HCl

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1998:553495 CAPLUS
DN 129:230402
TI Doubly docked pseudorotaxanes. Molecular meccano. Part 39.
AU Ashton, Peter R.; Fyfe, Matthew C. T.; Martinez-Diaz, M.-Victoria; Menzer, Stephan; Schiavo, Cesare; Stoddart, J. Fraser; White, Andrew J. P.; Williams, David J.
CS School of Chemistry, The University of Birmingham, Birmingham, B15 2TT, UK
SO Chemistry--A European Journal (1998), 4(8), 1523-1534
CODEN: CEUJED; ISSN: 0947-6539
PB Wiley-VCH Verlag GmbH
DT Journal
LA English
AB The complexation phenomena associated with the ditopic crown ether bis-p-phenylene[34]crown-10 (BPP34C10) and four bis-ammonium salts, each endowed with two bulky 3,5-di-tert-butylbenzyl termini and a pair of NH₂⁺ centers that are linked through a suitable spacer unit, have been studied. These studies have led to a route to the supramol. syntheses of singly stranded, doubly docked [2]pseudorotaxanes, in which each NH₂⁺ center interacts simultaneously with the crown ether's independent polyether arcs, so that one dicationic unit can interpenetrate the cavity of one BPP34C10 macro-ring by means of hydrogen-bonding interactions. NMR spectroscopy, mass spectrometry, and X-ray crystallog. demonstrate (in solution, in the gas phase, and in the solid state, resp.) that the doubly docked [2]pseudorotaxanes are generated through the self-assembly of BPP34C10 with bis-ammonium dications bearing p-xylylene, 2,6-naphthalenebis(methylene), or hexamethylene spacer units. In contrast, X-ray crystallog. shows that a supermol., possessing a hot-dog-like co-conformation, is synthesized noncovalently when BPP34C10 self-assembles with a bis-ammonium salt in which the NH₂⁺ centers are separated by a shorter pentamethylene spacer unit. The double docking of one of the bis-ammonium dications within BPP34C10's cavity has been utilized in a prototypical chromophoric supramol. device that operates in response to changes in its surrounding pH. A 1:1:1 solution of the hexafluorophosphate salt of this bis-ammonium dication with BPP34C10 and a 4,4'-bipyridinium salt is colorless, since the crown ether complexes preferentially with the bis-ammonium dication. Conversely, it is red in

the presence of iPr_2NEt because the NH_2^+ centers are deprotonated, forcing the crown ether to interact with the 4,4'-bipyridinium salt by means of, inter alia, charge-transfer interactions. This process is reversible, since the solution is decolorized upon treatment with CF_3CO_2H .

IT 212890-50-1P

RL: PEP (Physical, engineering or chemical process); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)

(supramol. syntheses of singly stranded doubly docked [2]pseudorotaxanes comprised of bis-p-phenylene[34]crown-10 and bis-ammonium salts and demonstration of pH-sensitive chromophoric supramol. device)

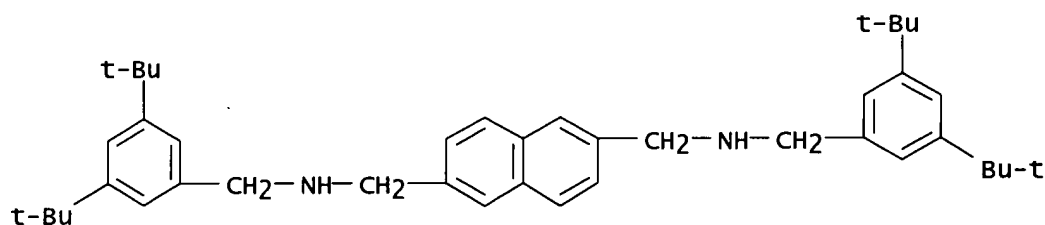
RN 212890-50-1 CAPLUS

CN Phosphate(1-), hexafluoro-, hydrogen, compd. with N,N'-bis[[3,5-bis(1,1-dimethylethyl)phenyl]methyl]-2,6-naphthalenedimethanamine (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 212890-49-8

CMF C42 H58 N2

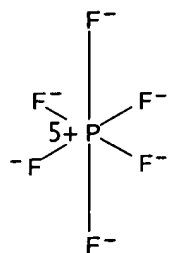


CM 2

CRN 16940-81-1

CMF F6 P . H

CCI CCS



● H^+

IT 212890-70-5P

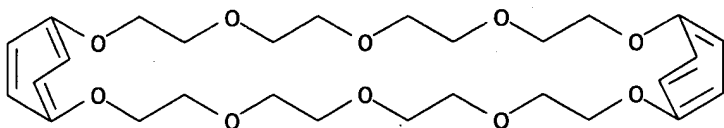
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (supramol. syntheses of singly stranded doubly docked [2]pseudorotaxanes comprised of bis-p-phenylene[34]crown-10 and

bis-ammonium salts and demonstration of pH-sensitive chromophoric
supramol. device)

RN 212890-70-5 CAPLUS
CN Phosphate(1-), hexafluoro-, hydrogen, rotaxane compd. with
N,N'-bis[[3,5-bis(1,1-dimethylethyl)phenyl]methyl]-2,6-
naphthalenedimethanamine and 2,5,8,11,14,19,22,25,28,31-
decaoxatricyclo[30.2.2.215,18]octatriaconta-15,17,32,34,35,37-hexaene
(2:1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 53914-95-7
CMF C28 H40 O10

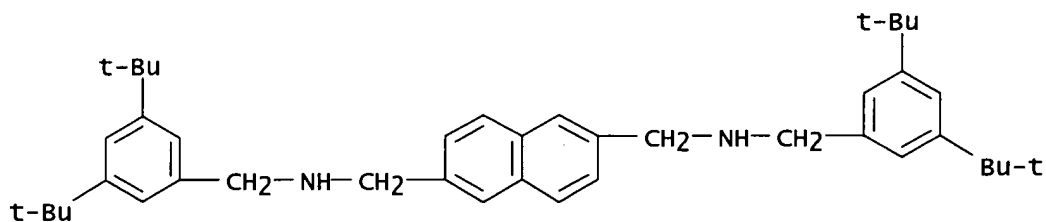


CM 2

CRN 212890-50-1
CMF C42 H58 N2 . 2 F6 P . 2 H

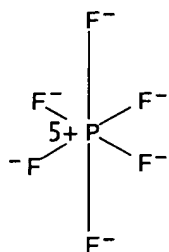
CM 3

CRN 212890-49-8
CMF C42 H58 N2



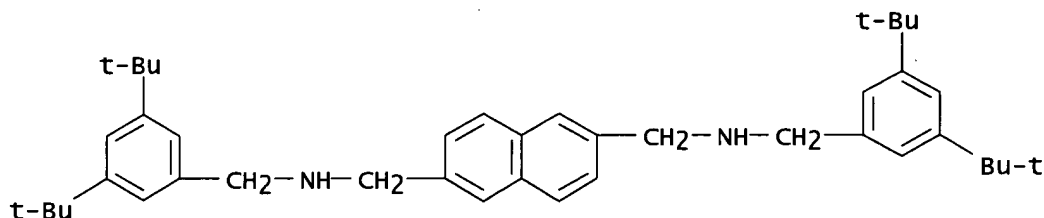
CM 4

CRN 16940-81-1
CMF F6 P . H
CCI CCS



● H⁺

IT 212890-62-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (supramol. syntheses of singly stranded doubly docked [2]pseudorotaxanes comprised of bis-p-phenylene[34]crown-10 and bis-ammonium salts and demonstration of pH-sensitive chromophoric supramol. device)
 RN 212890-62-5 CAPLUS
 CN 2,6-Naphthalenedimethanamine, N,N'-bis[[3,5-bis(1,1-dimethylethyl)phenyl]methyl]-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1984:572145 CAPLUS
 DN 101:172145
 TI Study of the viscosity of aliphatic-aromatic ionenes in aqueous and aqueous-organic solvents
 AU Burmistr, M. V.; Degtyarev, O. E.; Larionov, E. Yu.; Pchelinova, L. I.
 CS USSR
 SO Voprosy Khimii i Khimicheskoi Tekhnologii (1983), 72, 50-4
 CODEN: VKKCAJ; ISSN: 0321-4095
 DT Journal
 LA Russian
 AB For 6 ionenes prepared from mono- and binuclear tertiary diamines and dihalides, the reduced viscosity of aqueous solns. increased with decreasing concentration and decreased with increasing ionic strength. The concentration dependence of viscosity passed through a maximum in dilute aqueous solns.
 Addition of

MeOH [67-56-1] decreased the viscosity, and the dependence of viscosity on MeOH-H₂O ratio was described by curves with 1 or 2 maximum. The viscosity behavior of the ionenes is discussed in terms of coulombic repulsion along the chains.

IT

82350-12-7

RL: PRP (Properties)

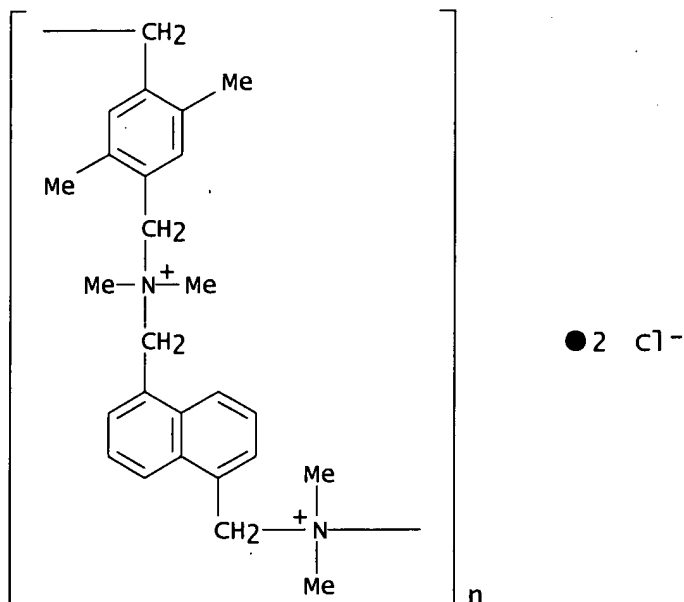
(viscosity of aqueous and aqueous methanol solns. of)

RN

82350-12-7 CAPLUS

CN

Poly[(dimethyliminio)methylene-1,5-naphthalenediylmethylene(dimethyliminio)methylene(2,5-dimethyl-1,4-phenylene)methylene dichloride] (9CI) (CA INDEX NAME)



L4

ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN

AN

1983:97850 CAPLUS

DN

98:97850

TI

Inhibition of cathodic evolution of hydrogen on iron in hydrochloric acid during adsorption of mono- and polymeric quaternary salts of ammonium

AU

Reshetnikov, S. M.; Kichigin, V. I.; Burmistr, M. V.

CS

Udmurt. Gos. Univ., Udmurt, USSR

SO

Zashchita Metallov (1982), 18(6), 927-30

CODEN: ZAMEA9; ISSN: 0044-1856

DT

Journal

LA

Russian

AB

The inhibition was examined of the H evolution reaction on an Fe electrode in HCl by quaternary ammonium salts of the following structure (I, where n = 27 ± 3). For comparison the effect was studied of the monomeric quaternary ammonium salt (II).

IT

82350-12-7

RL: PRP (Properties)

(corrosion inhibitor, for iron in hydrochloric acid, adsorption in relation to)

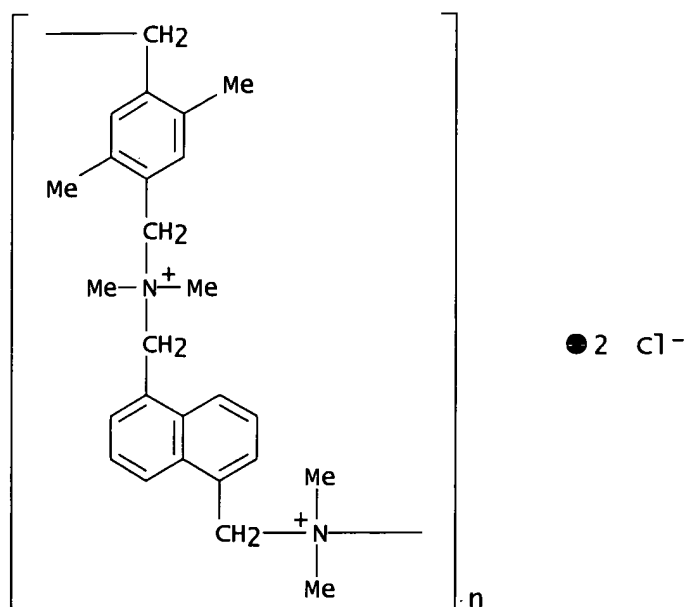
RN

82350-12-7 CAPLUS

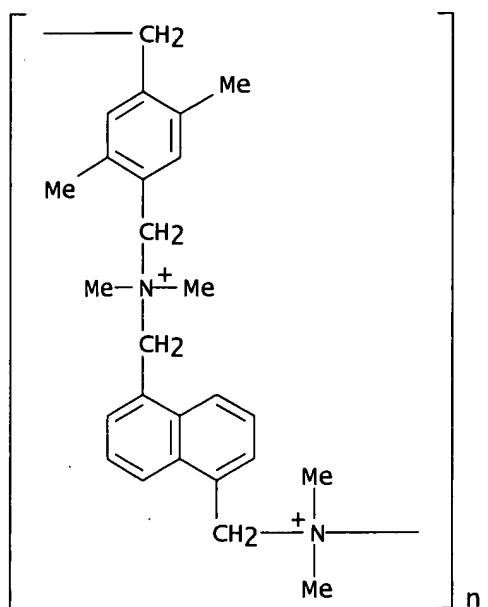
CN

Poly[(dimethyliminio)methylene-1,5-naphthalenediylmethylene(dimethyliminio)methylene(2,5-dimethyl-1,4-phenylene)methylene dichloride] (9CI) (CA

INDEX NAME)



L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1982:439615 CAPLUS
 DN 97:39615
 TI Viscosity of aqueous solutions of poly[bis(arylene)dimethylammonium chloride] ionenes
 AU Burmistr, M. V.; Svetkin, Yu. V.
 CS USSR
 SO Voprosy Khimii i Khimicheskoi Tekhnologii (1981), 63, 75-8
 CODEN: VKKCAJ; ISSN: 0321-4095
 DT Journal
 LA Russian
 AB Reduced viscosities as function of the concentration of aqueous solns. of the
 title ionenes had maximum at <0.01 g/dL which shifted toward higher concns.
 (.apprx.0.01-0.02 g/dL) upon incorporation of biphenyl units between
 quaternary N atoms of the main chains due to increased hydrophobicity of
 the polymers. The presence of O or S bridge groups in the biphenyl units
 did not affect the maximum because of the enhanced flexibility of the chains.
 The rising segments of the viscosity-concentration curves were well described
 by the Fuoss and Libretti-Stivala equations, the coeffs. of which correlated
 with electron d. calculated for the N atoms of the ionenes.
 IT 82350-12-7
 RL: PRP (Properties)
 (viscosity of)
 RN 82350-12-7 CAPLUS
 CN Poly[(dimethyliminio)methylene-1,5-naphthalenediyl)methylene(dimethyliminio)
)methylene(2,5-dimethyl-1,4-phenylene)methylene dichloride] (9CI) (CA
 INDEX NAME)



● 2 Cl⁻